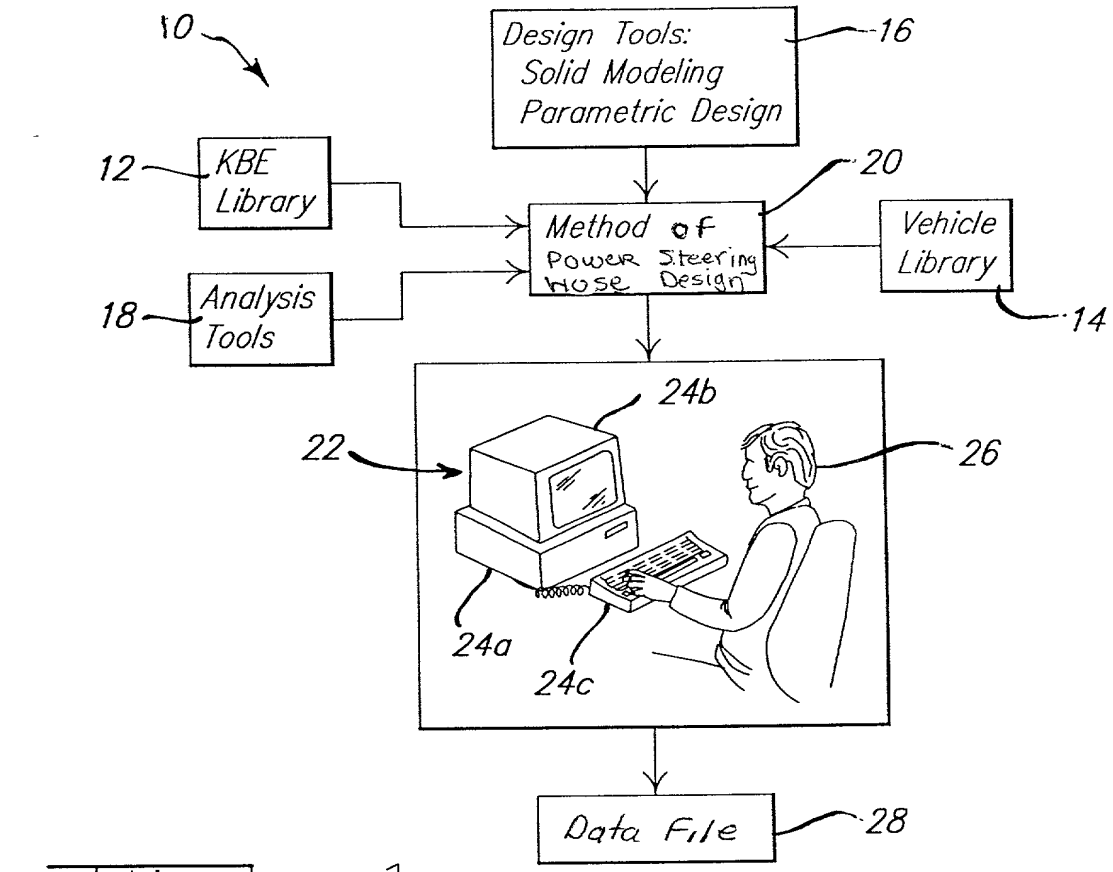

10
Design Tools:
Solid Modeling
Parametric Design
16
12
KBE
Library
20
Method of
Power Steering
Hose Design
Vehicle
Library
14
18
Analysis
Tools
24b
22
26
24a
24c
Data File
28

Fig. 1.

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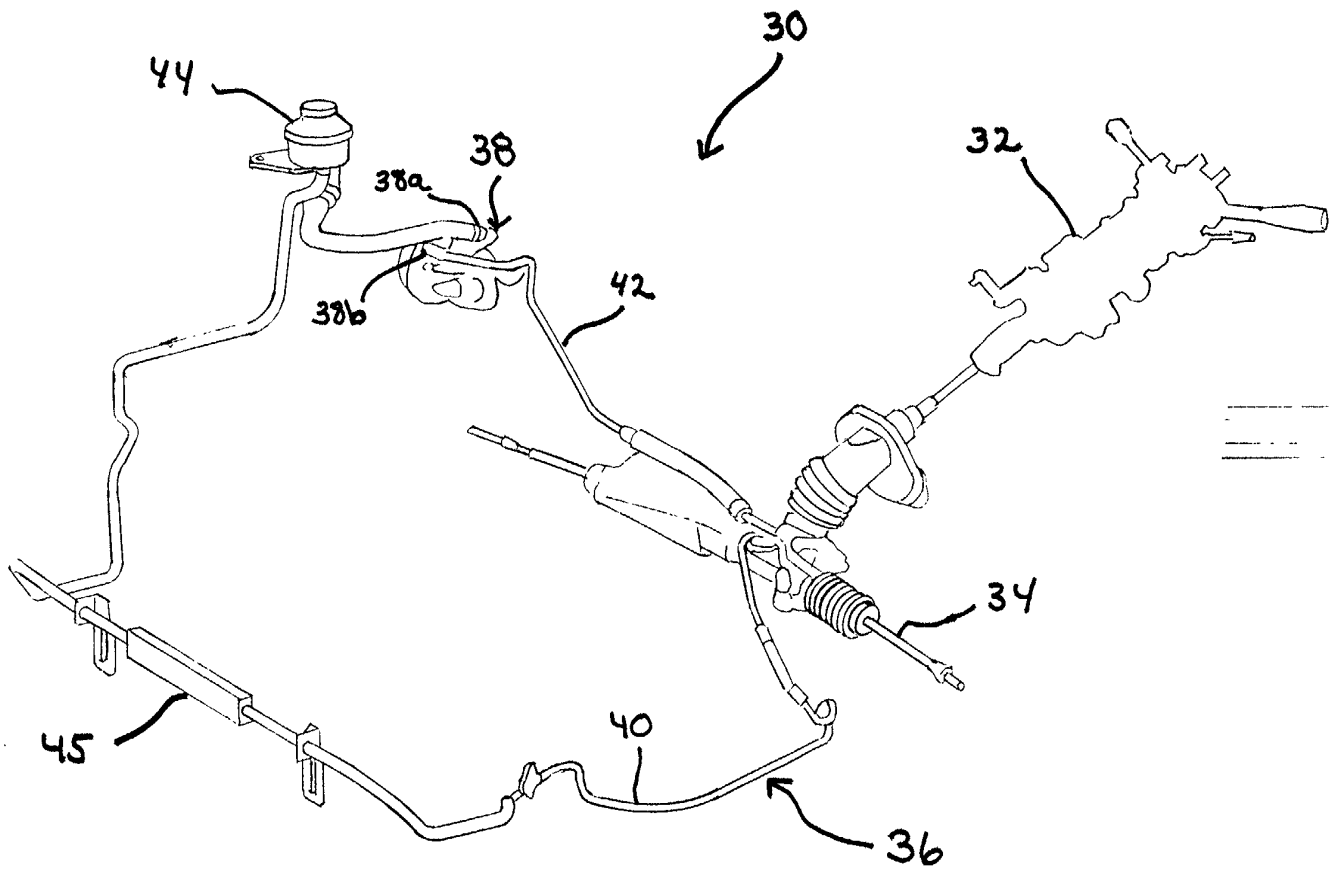



FIG. 2

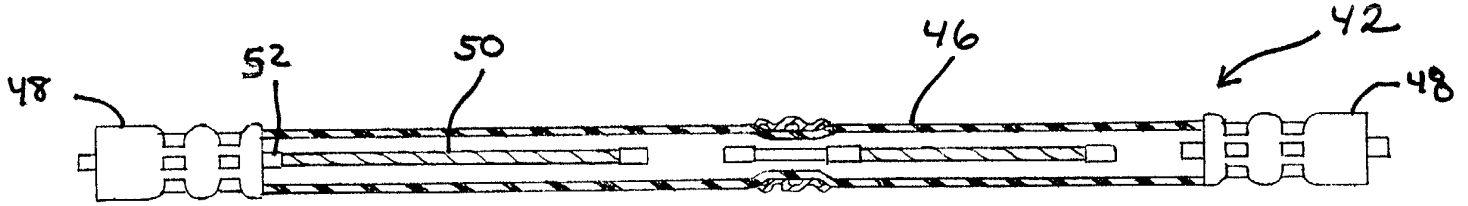



FIG. 3

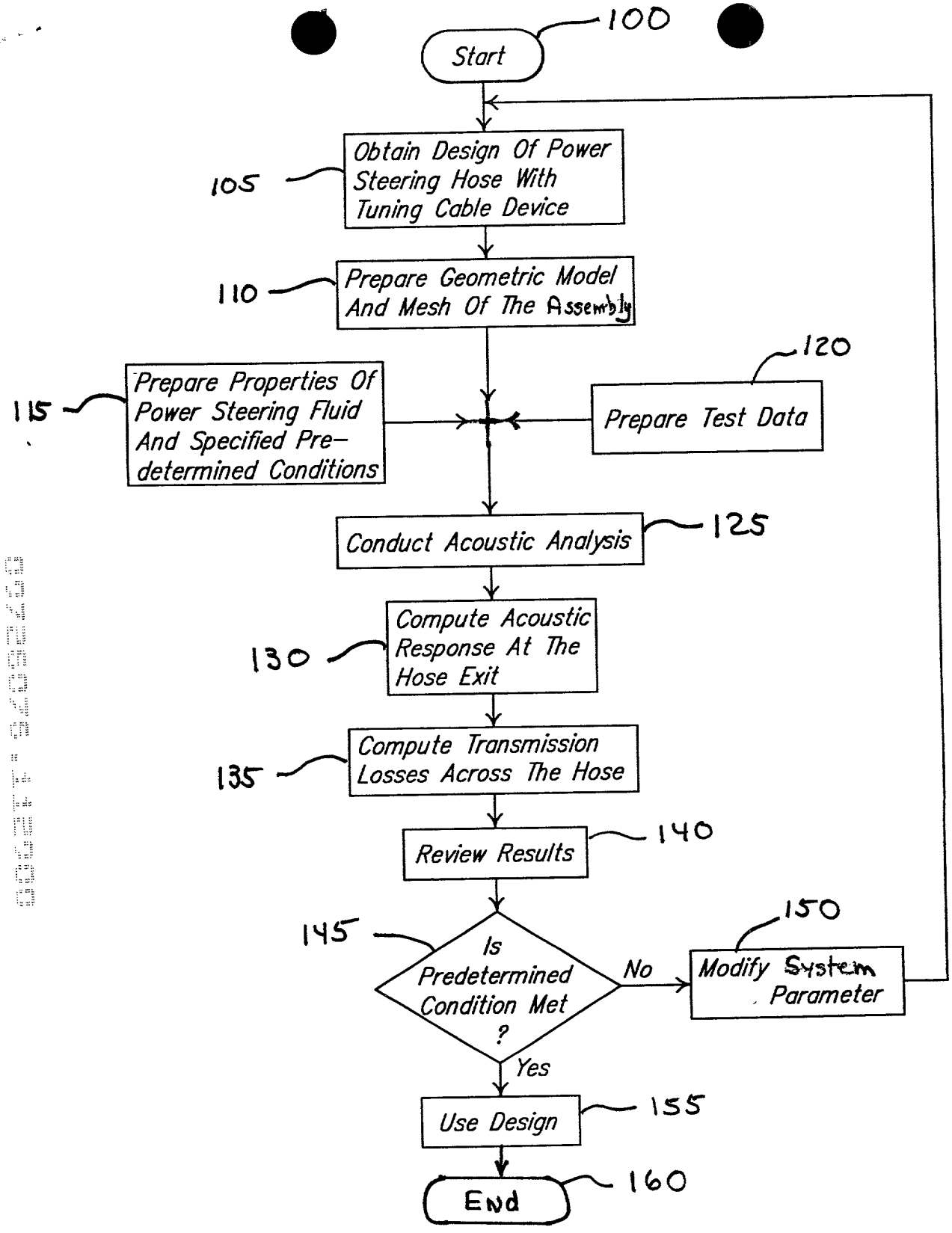

Start
100
Obtain Design Of Power Steering Hose With Tuning Cable Device
105
Prepare Geometric Model And Mesh Of The Assembly
110
Prepare Properties Of Power Steering Fluid And Specified Pre-determined Conditions
115
Prepare Test Data
120
Conduct Acoustic Analysis
125
Compute Acoustic Response At The Hose Exit
130
Compute Transmission Losses Across The Hose
135
Review Results
140
Is Predetermined Condition Met ?
145
No
Modify System Parameter
150
Yes
Use Design
155
End
160

FIG. 4